**Retrieving the Product Details based on Product ID Source Code**

**Html Code**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Product Details</title>

</head>

<body>

<h1>Retrieving Product Details Based on Product ID from a Database</h1>

<form action=*"Product"* method=*"post"*>

Enter the Product ID : <input type=*"text"* name=*"id"*><br/><br/>

<input type=*"submit"* value=*"Search"*><br/><br/>

<input type=*"reset"* value=*"Reset"*><br/><br/>

</form>

</body>

</html>

**Servlet Code**

**package** com;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** javax.servlet.RequestDispatcher;

**import** javax.servlet.ServletException;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class Product

\*/

**public** **class** Product **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Product() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

//response.getWriter().append("Served at: ").append(request.getContextPath());

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method stub

//doGet(request, response);

PrintWriter out=response.getWriter();

response.setContentType("text/html");

String id=request.getParameter("id");

**try**

{

Class.*forName*("com.mysql.cj.jdbc.Driver");

Connection con = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/javatraining","root","Sharmila@11");

PreparedStatement pstmt=con.prepareStatement("select \* from product where id=?");

pstmt.setString(1,id);

RequestDispatcher rd2 = request.getRequestDispatcher("product.html");

ResultSet rs=pstmt.executeQuery();

**if**(rs.next())

{

out.println("<br/>Product ID : " +rs.getInt("id"));

out.println("<br/>Product Name : " +rs.getString("name"));

out.println("<br/>Product Price : " +rs.getFloat("price"));

}

**else**

{

out.println("<br/>Failed to Retreive Product Details");

out.println("<br/>Incorrect Product ID!!! Please try by giving another ProductID");

rd2.include(request, response);

}

}

**catch**(Exception e)

{

System.***out***.println(e);

}

}

}

**Web.xml File**

<web-app>

<display-name>Project19</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

<welcome-file>index.jsp</welcome-file>

<welcome-file>index.htm</welcome-file>

<welcome-file>default.html</welcome-file>

<welcome-file>default.jsp</welcome-file>

<welcome-file>default.htm</welcome-file>

</welcome-file-list>

<servlet>

<description></description>

<display-name>Product</display-name>

<servlet-name>Product</servlet-name>

<servlet-class>com.Product</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>Product</servlet-name>

<url-pattern>/Product</url-pattern>

</servlet-mapping>

</web-app>